**Noam Meiri**  **January 2020**

**Part I: CURRICULUM VITAE**

1. **Personal Details**

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| **Dates** | **Description** | |
| 1961 | | Born in Petah-Tikva, Israel |
|  | | Identity No. 057194276 |
|  | | Permanent Address: Mishol Halmogan 3, Yavne, 81543  Work Address: Institute of Animal Science, PO. Box 6, Bet Dagan, 50250  Phone Work: 08-9484411  Phone Home: 08-9421286  Fax: 08-9475075  e-mail: noam.meiri@mail.huji.ac.il  web–site: http://www.agri.gov.il/people/623.aspx |

1. **Higher Education:**

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| **Dates** | **Description** |
| 1983 – 1986 | B.Sc. in Biology at Tel-Aviv University |
| 1986 – 1989 | M.Sc. in Biochemistry at Tel-Aviv University  Title of thesis: Uptake of enkephalins, and modulation by opiates of acetylcholine release from Torpedo nerve terminals.  Supervision by: Prof. D. M. Michaelson |
| 1989 – 1994 | Ph.D. in Neurobiology at The Feinberg Graduate School, Weizmann Institute.  Title of thesis: Molecular correlates of learning and memory in the rodent brain: The role of protein synthesis and degradation.  Supervision by: Prof. Y. Dudai, # 27, 30, 31, 32 |
| 1994 – 1997 | Post-doctoral fellow at the National Institute of Neurological Disorders and Stroke, National Institutes of Health. with Dr. D.L. Alkon # 22-26, 28,29  Research subject: The role of potassium channels in long-term memory |

1. **Positions Held and Academic Status**

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| **Dates** | **Description** |
| 1997-1998 | Visiting Associate at the National Institute of Neurological Disorders and Stroke. |
| 1998 | Research Scientist at the ARO, The Volcani Center, Institute of Animal Science |
| 2008 | Promoted to Senior Scientist (Rank B) |
| 2014 | Promoted to Associate Professor (Rank A) |
| 2017-present | Head Institute of Animal Science |

**6. Activity in Scientific and Agricultural Committees**

1. International:

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| --- | --- |
| **Dates** | **Description and role** |
| 2014 - 2017 | Evaluation committee for BARD; member |

1. National:

|  |  |
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| **Dates** | **Description and role** |
| 2001 - present | The Poultry Board Research Proposal Evaluation Committee |
| 2002 - 2004 | Evaluation committee for The Israel Academy of Science Grants program; member |
| 2006 - 2008 | Evaluation committee for The Israel Academy of Science Grants program; member; Chair person |
| 2011- 2013 | Evaluation committee for The Israel Academy of Science Grants program; member; Chair person |
| 2017-present | Evaluation committee for The Israel Academy of Science Grants program; member; Chair person |

Contribution to the Scientific Community

1. International:

|  |  |
| --- | --- |
| **Dates** | **Description** |
| 2008 | Organizer of BARD sponsored workshop: Affecting early life poultry development to improve domestic fowl livestock, Jerusalem Israel. |
| 2017 | Organizer of a session at the Twelfth Göttingen Meeting of the German Neuroscience Society, Gottingen, Germany. |
| 2017 | Organizer of a session at the 47th annual conference of the international society of psychoneuroendocrinology, Zurich, Switzerland |
| 2017 | Organizer of an Israel-Britain meeting on Neuro-obesity as a satellite to the 26th ISFN Annual Meeting |
| 2018 | Organizer of a scientific meeting “Agriculture, Food systems and climate change” Rishon LeZion, Israel. |

1. Editorial responsibilities:

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| **Dates** | **Description** |
| 2000 - present | Reviewer of manuscripts for: Science, Behavioral Brain Research. British Journal of Pharmacology, Neuroscience, world poultry science, FASEB, NCI, CBP, BMC Neuroscience |
| 2012 - present | Member of the international Council ISAE (International Society for Avian Endocrinology) |
| 2013- 2015 | Member of the editorial board of Asian Journal of Neuroscience. |

1. **Research Grants**
2. International Competitive Grants:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Granting Source** | **Duration (years)** | | | **Role\*** | **Title (short)** | **Budget (US $ / year)** | | | |
| **Total** | | | **Researcher** |
| 2010 | BARD | 3 | | | PI | Epigenetic Adaptation: The Regulatory Mechanisms of Hypothalamic Plasticity that Determine Stress-Response Set Point. | | 100,000 | | 50,000 |
| 2010 | BARD | 3 | | | CI | Development of Strategic Pre-Natal Cycling Thermal Treatments to Improve Livability and Productivity of Heavy Broilers | | 100,000 | | 15,000 |
| 2018 | Israel – China, Israel Ministry of Science | | 3 | Coordinator/PI | | consequences of maternal metabolic syndromes on offspring’s development of hypothalamic network controlling energy balance and mechanism of inheritance. | | | 285,000 95,000 | | |

\*PI = Principal Investigator; LPI =Local Principal Investigator; CI = Cooperating Investigator

National Competitive Grants:

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Granting Source** | **Duration (years)** | | | | **Role\*** | | | **Title (short)** | **Budget (US $ / year)** | | | | | | | |
| **Total** | | | **Researcher** | | | | |
| 1999 | National Center for Psychobiology | 2 | | PI | | | | Molecular correlates of passive avoidance in a one day old chick | | | 15,000 | | | 15,000 | |
| 2000 | Chief Sci. Agri. | 3 | | PI | | | | Accommodation mechanisms to environmental condition in the chick hypothalamus | | | 25,000 | | | 25,000 | |
| 2003 | Chief Sci. Agri. | 3 | | CI | | | | Hot conditioning broiler embryos to increase heat resistance during life span. | | | 25,000 | | | 10,000 | |
| 2006 | ISF | 4 | | PI | | | | Identifying the molecular mechanisms underlying thermo tolerance acquisition in the critical period of thermal control establishment. | | | 95,000 | | | 95,000 | |
| 2006 | Chief Sci. Agri. | 3 | | PI | | | | Determining a scale to evaluate chicken welfare | | | 25,000 | | | 25,000 | |
| 2008 | Chief Sci. Agri.  Biotechnology | 3 | | PI | | | | Accommodation mechanism to environmental stress: Identifying the epigenetic mechanism for hormone release in the hypothalamus | | | 40,000 | | | 40,000 | |
| 2010 | ISF | 4 | | PI | | | | The role of microRNA in regulation of histone post translation modifications remodeling in the hypothalamus during the critical period of thermal control establishment | | | 80,000 | | | 80,000 | |
| 2011 | Chief Sci. Agri. | 3 | | PI | | | | Accommodation mechanism to environmental stress: Identifying the epigenetic mechanism for hormone | | | 40,000 | | | 40,000 | |
| 2015 | ISF | 5 | | PI | | | | Epigenetic mechanisms underlying the balance between stress resilience and vulnerability during postnatal development | | | 80,000 | | | 80,000 | |
| 2016 | Chief Sci. Agri., Biotechnology | | 3 | | PI | | Epigenetic programming of hypothalamic mechanisms regulates feeding and controls body weight. | | | | | 40,000 | | | 40,000 | |
| 2017 | Israel ministry of science | 3 | | CI | | | | Epigenetic mechanisms regulating overweight by diet-restriction and exercise | | | 100,000 | | | 50,000 | |

\*PI = Principal Investigator; LPI =Local Principal Investigator; CI = Cooperating Investigator

1. Other Funds:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Granting Source** | **Duration (years)** | **Role\*** | **Title (short)** | **Budget (US $ / year)** | |
| **Total** | **Researcher** |
| 2000 | Poultry Board | 3 | PI | Accommodation mechanisms to environmental condition in the chicken hypothalamus | 18,000 | 18,000 |
| 2002 | Poultry Board | 3 | CI | The effect of broiler embryos thermal conditioning on the ability to perform and thermo regulate under acute conditioning. | 20,000 | 10,000 |
| 2003 | Poultry Board | 3 | PI | Directed growth in the hypothalamus, as a mean to induce resistance to stress | 20,000 | 20,000 |
| 2003 | Poultry Board | 3 | PI | The effect of wind speed coupled with constant and diurnally cyclic ambient temperature on performance and thermoregulation of broilers. | 15,000 | 15,000 |
| 2006 | Poultry Board | 3 | PI | Evaluating stress levels in layers in different raising conditions. | 25,000 | 25,000 |
| 2014 | Poultry Board | 1 | PI | Establishing the conditions for implementing high-caloric-diet-conditioning in young chicks. | 25,000 | 25,000 |
| 2015 | Poultry Board | 3 | PI | Establishing the conditions for implementing high-caloric-diet-conditioning in young chicks. | 30,000 | 30,000 |
| 2015 | Poultry Board | 3 | PI | Determining the boundaries of stress response and the balance between heat resilience and vulnerability. | 30,000 | 30,000 |

\*PI = Principal Investigator; LPI =Local Principal Investigator; CI = Cooperating Investigator

1. **Training / Teaching Experience**
2. Academic Contribution:

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| **Dates** | **Description** |
| 2000 to date | Lecturer at the Hebrew University  Title of the course: Introduction to Neurobiology |

1. Guidance of Amirim Students:

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| --- | --- | --- |
| **Graduation date** | **Name** | **Title of thesis** |
| 2001 | Ms. Shruster Adi | The role of neurotrophins in heat acclimation |
| 2003 | Ms. Stern Elad | The role of the new gene cyclin S in taste memory |
| 2004 | Ms. Tirosh Sharon | Translation control: The role of Eukaryoutic Translation Initiation Factor 2B in neuronal plasticity |
| 2005 | Ms. Levron Noa | The physiological role of cyclin S in different stages of memory consolidation |
| 2005 | Mr. Ziv Maor | Epigenetic adaptation: a role for histone acetylation in the critical period of thermal control establishment. |
| 2009 | Shiri Ben-Baruch | Memory in the expression levels of CRH in heat stress. |
| 2009 | Hazut Yuval | The role of the epigenetic regulation of **Thyrotropin** releasing hormonein heat resistance |

\*all under my direct supervision

C. Guidance of M.Sc. Students:

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| --- | --- | --- | --- |
| **Graduation date** | **Name** | **Title of thesis** | **Guidance with** |
| 2002 - 2003 | Ms. Edelheit Sarit | A role for the new gene Cyclin S in memory formation | Prof. Shlomo Yahav |
| 2002 - 2003 | Ms. Labunskay Galya | Molecular correlates of heat acclimation in the chick hypothalamus | Prof. Shlomo Yahav |
| 2006 - 2008 | Ms. Yossiffoff Maya | The epigenetic regulation of the Brain-Derived Neurotrophic Factor (BDNF) and R-Ras3 genes' expression during thermal control establishment in chicks. | Prof. Shlomo Yahav |
| 2006 - 2008 | Ms. Kogman Taly | Determining a scale to evaluate climatic stresses in broilers | Prof. Shlomo Yahav |
| 2009 - 2010 | Mr. Beni Goldenberg | Epigenetic regulation of Arginine Vasotocin (AVT) expression during thermal control establishment in chicks. | - |
| 2011-2013 | Mr. Shlomi Bogdari | Role of miR-15a in regulation of Brain-Derived Neurotrophic Factor (BDNF) expression in chick hypothalamus during thermotolerance acquisition | - |
| 2013-2016 | Mrs. Tzlil Tabachnik | Maternal diet-induced obesity (DIO) in rats leads to alterations in the regulation of melanocortin 4 receptor (Mc4r) of the offspring | Prof. Aron Weller |
| 2014-2016 | Mrs. Tzlil Menashe | The effect of paternal high fat diet on offspring feeding, body weight and methylation status of the Pomc promoter in the hypothalamus. | Prof. Aron Weller |
| 2014-2016 | Mr. Yaniv Grinberg | The effect of caloric restriction on the methylation status of the hypothalamic Pomc promoter in an animal model of obesity. | Prof. Aron Weller |
| 2015- 2017 | Mr. Nir Cohn | Transgenerational inheritance of epigenetic markings in the gametes. | Prof. Aron Weller |
| 2016-2019 | Ms. Mital Yalon | Difference in epigenetic marking between obese resilience and vulnerable | Prof. Aron Weller |
| 2017-2020 | Mr. Osher Benun | Early-Life Thermal Stress Affects Neuroinflammation in the Hypothalamus |  |
| 2018- present | Ms. Michal Huberman | Paternal Heredity of epigenetic marks in obesity | Prof. Aron Weller |
| 2018- present | Ms. Levana Benisti | Epigenetic regulation of binge eating prone | Prof. Aron Weller |

\*all under my direct supervision

D. Guidance of Ph.D. Students:

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| --- | --- | --- | --- |
| **Graduation date** | **Name** | **Title of thesis** | **Guidance with** |
| 2008 -2013 | Ms. Sivan Pinchuk | The effect of thermal manipulation, during early embryogenesis, on angiogenesis and thermo-tolerance in broilers | Prof. Shlomo Yahav |
| 2010-2015 | Mr. Asaf Marco | Epigenetic programming and reprogramming of hypothalamic mechanisms that regulate feeding and obesity | Prof. Aron Weller |
| 2011-1017 | Mr. Tomer Cramer | The epigenetic regulation of the balance between stress resilience and vulnerability: Corticotropin Releasing Hormone (CRH) as a modulator of heat stress response | Prof. Shlomo Yahav |
| 2017-Present | Mrs. Kayla Rapps | Epigenetic mechanisms regulating overweight by diet-restriction and exercise | Prof. Aron Weller |
| 2019 - Present | Mr. Tam Yadid | Epigenetic correlates between obesity and stress |  |

\*under my direct supervision

1. Post-Docs and Visiting Scientists:

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| --- | --- | --- |
| **Dates** | **Name** | **Research subject** |
| 2010-2013 | Dr. Tatiana Kisliouk | Epigenetic regulation of heat stress |
| 2015-present | Dr. Tali Rosenberg | Epigenetic regulation of stress cross tolerance |
| 2020-present | Dr. Padma Malini | Heredity of Epigenetic marks |

# Noam Meiri October 2018

##### Part II: LIST OF PUBLICATIONS

Marks:

S, Student PD, post-doc under my supervision

I.F, Category, No. of citations

**Articles in Reviewed Journals**

1. Rosenblum, K., **Meiri, N.** and Dudai, Y. (1993). Taste memory: the role of protein synthesis in gustatory cortex. *Behavioral and Neural Biology* 59, 49-56. (Re-named - [Neurobiology of learning and memory](http://library.wur.nl/WebQuery/catalog?wq_sfx=lang&seriewerk/titel=%7BNeurobiology%20of%20learning%20and%20memory*%7D)) I.F. 4.035, Category: Behavioral Science; Rank 9/49; 290

2. **Meiri, N.,** Masos, T., Rosenblum, K., Miskin, R. and Dudai Y.(1994). Overexpression of urokinase-type plasminogen activator in transgenic mice is correlated with impaired learning. *Proc. Natl. Acad. Sci. USA, 91:3196-3200.* I.F 9.598, Category, multidisciplinary science; 4/55; 89

3. Rosenblum, K., Schul, R., **Meiri, N.,** Hadari, Y., Zick, Y. and Dudai Y. (1995). Modulation of protein tyrosine phosphorylation in rat insular cortex following conditioned taste aversion. *Proc. Natl. Acad. Sci. USA,* 92:1157-1162. I.F 9.598, Category, multidisciplinary science; 4/55; 75

4. **Meiri, N.,** Ghelardini, C., Tesco, G., Galeotti, N., Dahl, D., Tomsic, D., Cavallaro, S., Quattrone, A., Capaccioli, S., Bartolini, A. and Alkon D. L.(1997). Reversible Antisense inhibition of Shaker-like kv1.1 potassium channel expression impairs associative memory in mouse and rat. *Proc. Natl. Acad. Sci. USA,* 94:4430-4434. I.F 9.598, Category, multidisciplinary science; 4/55; 85

5. Cavallaro, S., **Meiri, N.,** Chu-Li, Y., Musco, S., Ma, W., Goldberg, J. and Alkon D. L.(1997). Late memory-related genes in the hippocampus revealed by RNA fingerprinting.

*Proc. Natl. Acad. Sci. USA,* 94:9669-9673. I.F 9.598, Category, multidisciplinary science; 4/55; 103

6. **Meiri, N.**and Rosenblum, K.(1998). Lateral ventricle injection of the protein synthesis inhibitor anisomycin impairs long-term memory in a spatial memory task. *Brain Res.* 789/1: 48-55. I.F. 2.87, Category: Neuroscience; Rank 134/251; 119

7. Okaba, S., Collin, C., Auerbach, J. M., **Meiri, N.,** Bengazon, J., Kennedy, M. B., Segal, M.and McKay, R. D.(1998). Hippocampal synaptic plasticity in mice overexpressing an embryonic subunit of the NMDA recepto`r. *J. Neuroscience* 18:4177-4188. I.F. 7.49, Category: Neuroscience; Rank 24/251; 109

8. **Meiri, N.,** Sun, M. K-., Segal, Z. Alkon D.L.(1998) Memory and LTP dissociated: normal spatial memory despite CA1 LTP elimination with *Kv1.4* antisense. *Proc. Natl. Acad. Sci. USA* 95: 15037-15042. I.F 9.598, Category, multidisciplinary science; 4/55; 73

9. Lamensdorf, I., **Meiri, N.,** Harvey-White, J. D., Jacobowitz, M. J. and Kopin I. J.(1999*)* Oligoantisense for Kir6.2 diminished contralateral turning induced by apomorphine in the 6-hydroxydopamine hemiparkinsonian rat model. *Brain Res.* 818/2: 275-284.I.F. 2.87, Category: Neuroscience; Rank 134/251; 18

10.Zhao, W., Chen, H., Xu H., Moore E., **Meiri N.,** Quon M.J. and Alkon D.L.(1999) Brain insulin receptors and spatial memory: correlated changes in gene expression, tyrosine phosphorylation, and signaling molecules. *J. Biol. Chem*. 274:34893-34902. I.F 5.581, Category: Biochemistry and molecular biology; Rank 65/291; 554

11. Zhao W., **Meiri N.,** Xu H., Cavallaro, S., Quatrone A., Zhang, L. and Alkon, D.L.(2000) Spatial learning induced changes in expression of the ryanodine type II receptor in the rat hippocampus. *FASEB J. 14:290-300*. I.F. 6.79, Category: Biology; Rank 7/83; 88

12. Lavelin, IS., **Meiri N.**and Pines, M.(2000) New insight in eggshell formation *Poultry Science* 79:1014-1017. I.F. 1.60 Category: Agriculture, Dairy and animal science; Rank 12/51; 105

13. Mor, IS, Grisaru, D., Evron, T., Richler, C., Wahrman, J., Sternfeld, M., Yogev, L., Titelbaum, L., **Meiri, N.** C**,** Seidman, S. C and Soreq, H. PI (2001) Modified testicular expression of stress-associated “readthrough” acetylcholinesterase predicts male infertility. *FASEB J.* 15:2039-41. I.F. 6.79, Category: Biology; Rank 7/83; 45

14. Lavelin, I.S, **Meiri, N.** PI**,** Genina, O., Alexiev, R. and Pines, M.PI (2001) Alfa-1 subunit of Na-K-ATPase gene expression in the avian eggshell gland: distinct mechanisms of regulation in different cell types. *Am J Physiol Regul Integr Comp Physiol.* 281:R1169-R1176. I.F. 3.66, Category: Physiology; Rank 19/81; 19

15. Lavelin, I. S, **Meiri, N.,** Einat, M., Genina, O.and Pines, M.(2002) Mechanical strain regulation of the chicken glypican-4 gene expression in the avian eggshell gland. *Am J Physiol Regul Integr Comp Physiol* 283:R853-61. I.F. 3.66, Category: Physiology; Rank 19/81; 24

16. Edelheit, S. S and **Meiri, N.** (2004) Cyclin S: A new member of the cyclin family plays a role in long-term memory *Eur. J. Neurosci.* 19:365-75.I.F. 3.67 Category: Neuroscience; Rank 85/251; 10

17. Labunskay, G. S and **Meiri, N.,**(2006) R-Ras3/(M-Ras) is involved in thermal adaptation in the critical period of thermal control establishment*. J. Neurobiol.* 66:56-70. (re-named Developmental Neurobiology) I.F. 4.21, Category: Development; Rank 7/41; 36

18. Katz, A. S and Meiri**, N.,**(2006) Brain-Derived Neurotrophic Factor (BDNF) is Critically Involved in Thermal-Experience-Dependent Developmental Plasticity. *J. Neurosci.* 26:3899-3907.I.F. 7.49, Category: Neuroscience; Rank 24/251; 52

19. Yefet, K., Merhav, M., Cuulman-Vander, S., Elkobi, A., Belelovsky, K., Jacobson-Pick, S., **Meiri, N.**and Rosenblum K.(2006) Different Signal Transduction Cascades are Activated Simultaneously in the Cortex and Hippocampus Following Novel Taste Learning. *Eur J Neurosci.* 24:1434-1442.I.F. 3.75, Category: Neuroscience; Rank 85/251; 49

20. Tirosh, S S., Elkobi, A.Rosenblum, K.and Meiri**, N**.(2007) A Role for Eukaryotic Translation Initiation Factor 2B (eIF2B) in Taste Memory Consolidation. *Developmental Neurobiology* 67:728-739., I.F 4.42, Category: Development; Rank 7/41; 6

21. **Meiri, N.**(2008) 14-3-3ε expression is induced during the critical period of thermal control establishment. *Developmental Neurobiology* 68:62-72, IF. 4.42, Category: Development; Rank 7/41; 10

22. Yossifoff, M. S, Kisliouk, T.S and **Meiri, N.**(2008)Dynamic changes in DNA methylation during thermal control establishment affect CREB binding to the Brain-derived neurotrophic factor promoter. *Eur. J. Neurosci.* 28:2267-2277. IF. 3.75, Category: Neuroscience; Rank 85/251; 75

23. Kisliouk, TS and **Meiri, N.** (2009) A critical role for dynamic changes in histone H3 methylation at the Bdnf promoter during postnatal thermotolerance acquisition. *Eur. J. Neurosci* 30:1909-1922. IF. 3.75, Category: Neuroscience; Rank 85/251; 42

24. Kisliouk, TS Ziv, MS, and **Meiri, N.**(2009) Epigenetic control of translational regulation: Alterations in histone H3 lysine 9 post-translational modifications are correlated with expression of the translation initiation factor 2B (Eif2b5) during thermal-control establishment *Developmental Neurobiology* 70:100-113.IF 4.42; Category: Development; Rank 7/41; 31

25**.** Kisliouk TS., Yosefi, S. and **Meiri N**.(2011)MiR-138 inhibits EZH2 methyltransferase expression, methylation of histone H3 at Lysine 27 and affects thermotolerance acquisition.*Eur. J. Neurosci* 33:224-235.IF 3.75, Category: Neuroscience; Rank 85/251; 41

26. Xu, P., Denbow, C. J., **Meiri N**., and Denbow, DM. (2012) Fasting of 3-day-old chicks leads to changes in histone H3 methylation status. *Physiol and Behav*. 105:276-82. I.F. 3.16, Category: Behavioral Science; Rank 21/49; 14

27. Kisliouk, TS and **Meiri, N.** (2013) MiR-138 promotes migration of cultured chicken embryonic hypothalamic cells by targeting reelin. *Neuroscience* 238:114-124. IF 3.33 Category: Neuroscience; Rank 100/251; 11

28. Marco, A**S**., Kisliouk, T**S**., Weller, A. and **Meiri, N.**(2013) High fat diet induces hypermethylation of the hypothalamic *Pomc* promoter and obesity in post-weaning rats.

*Psychoneuroendocrinology* 38:2844-2853. IF 5.17, Category: Endocrinology and Metabolism; Rank 16/123; 52

29. Marco, A**s**., Kisliouk, T**s**., Tabechnik, T**s**., **Meiri, N** and Weller, A. (2014) Overweight and CpG methylation of the *Pomc* promoter in offspring of high-fat-diet-fed dams are not “reprogrammed” by regular chow diet in rats *FASEB J.* IF 5.704, Category: Biology; Rank 7/83; 60

30. Kisliouk, Ts Cramer, Ts. and **Meiri, N.**(2014) heat stress attenuates new cell generation in the hypothalamus: a role for mir-138. *Neuroscience* 277: 624-636 IF 3.33, Category: Neuroscience; Rank 100/251; 12

31. Cramer, Ts., Kisliouk, Ts., Yeshurun, Ss., and **Meiri N.** (2015) The balance between stress resilience and vulnerability is regulated by corticotropin-releasing hormone during the critical postnatal period for sensory development. *Developmental Neurobiology* 75(8):842-53. IF 4.42; Category: Development; Rank 7/41; 14

32. Jiang Y., Denbow, C. Jc., **Meiri N**c., and Denbow, DM. (2016) Epigenetic-imprinting changes caused by neonatal fasting stress protect from future fasting stress *J. Neuroendocrinology* 28(1). doi: 10.1111/jne.12333. IF 3.172, Category: Endocrinology & Metabolism; Rank 53/133 Category: *Neurosciences*; Rank 100/256; 4

33. Marco, As., Kisliouk, T., Tabachnik, Ts., Weller, A. and **Meiri, M.** (2016) DNA CpG methylation (5mC) and its modification (5hmC) alter histone post-translational modifications at the Pomc promoter, affecting the impact of perinatal diet on leanness and obesity of the offspring. *Diabetes*, 65(8):2258-67. IF 8.095, Category: Endocrinology & Metabolism; Rank 8/133; 14

34. Tabachnik, Ts., Kisliouk, T., Marco, As., **Meiri, N.**, Weller A. (2017) Thyroid hormone-dependent epigenetic regulation of melanocortin 4 receptor levels in female offspring of obese rats. *Endocrinology* 158(4):842-851. IF 4.498 Category: Endocrinology & Metabolism; Rank 30/133; 4

35. Kisliouk Ts, Cramer Ts, **Meiri N.** (2017) Methyl CpG level at distal part of heat-shock protein promoter HSP70 exhibits epigenetic memory for heat stress by modulating recruitment of POU2F1-associated nucleosome-remodeling deacetylase (NuRD) complex. J Neurochem. 141(3):358-372. IF 3.84; 6

36. Cramer, Ts, Rosenberg, Ts., Kisliouk T, **Meiri N.** (2019) Early-life epigenetic changes along the corticotropin-releasing hormone (CRH) gene influence resilience or vulnerability to heat stress later in life. Molecular Psychiatry 24:1013-1026. IF 11.64 Category: Neurosciences; Rank 10/261;4

Cramer, Ts, Rosenberg, Ts., Kisliouk T, **Meiri N.** (2019) Early life epigenetic regulation of CRH expression pattern in the PVN affects long-term stress response Molecular Psychiatry 24, 935–935 (Image)

37. Cramer, Ts, Rosenberg, Ts., Kisliouk T, **Meiri N.** (2019) PARP inhibitor affects long-term heat-stress response via changes in DNA methylation. Neuroscience 399:65-76. IF 3.33, Category: Neuroscience; Rank 100/251; 1

38. Kisliouk, T., Rosenberg Ts, Ben-Nun Os, Ruzal M. and Meiri N. (2020) Early-life m6A RNA demethylation by fat mass and obesity-associated protein (FTO) influences resilience or vulnerability to heat stress later in life. eNeuro (In Press). IF 3.46 Category Neuroscience; Rank

**Book Chapters**

1. Dudai, Y., Rosenblum, K., **Meiri, N.,** Miskin, R. and Schul R. (1993): Correlates of taste- and taste aversion learning in murine brain. *In Plasticity in the central nervous system: Learning and memory* (McGaugh J.L., ed) p.161-169. *LEA, NJ*
2. Marco, A., Weller, A., Meiri N., (2015): Epigenetic Programming of Hypothalamic Pomc that Regulate Feeding and Obesity *In Epigenetics and Neuroendocrinology.* (Spengler D., and Binder E., ed), Springer

**Articles in Non-Reviewed Journals in Hebrew and English**

1. Meiri N. (2006) Poultry resistance to extreme temperature. *Meshek Ha'ofot (in Hebrew) March:* 40-42
2. Meiri N. (2013) Epigenetcs: "Environmental Memory"*Meshek Ha'ofot (in Hebrew) December: 48-51*

Active Participation in Meetings

1. International:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | | **Title of the Meeting** | | **Place** | **Role** |
| 1993 | | 19th Annual Meeting of the Society For Neuroscience | | Washington D.C. | Poster |
| 1994 | | 20th Annual Meeting of the Society For Neuroscience | | Miami Beach, Florida | Participant |
| 1996 | | 22th Annual Meeting of the Society For Neuroscience | | Washington D.C. | 3 posters |
| 1996 | | Meeting of the NY, NJ, CO, RI, MD, and PA Society of Neuroscience on Learning and Memory | | NY, NY | poster presenter |
| 1997 | | 41st Annual Meeting of the Biophysical Society | | New Orleans, Louisiana | Speaker |
| 1997 | | 23th Annual Meeting of the Society For Neuroscience | |  |  |
|  | | New Orleans, Louisiana | | Speaker, poster |  |
| 1998 | | The New York Academy of Science Conference on Molecular and Functional Diversity of Ion Channels and Receptors | | NY, NY | Poster |
| 1998 | | 24th Annual Meeting of the Society for Neuroscience | | Los Angeles , California | 4 posters |
| 1999 | | 25th Annual Meeting of the Society for Neuroscience | | Miami, Florida | participant |
| 2001 | | Learning and Memory | | Cold Spring Harbor | Speaker |
| 2002 | | 3rd FENS forum | | Paris, France | Poster |
| 2003 | | 6th IBRO world Congress on Neuroscience | | Prague | Poster |
| 2004 | | 20th International Winter Meeting in Neuropathology | | St Moritz | Poster |
| 2004 | | Molecular and Cellular Cognition Society | | Lisbon | Poster |
| 2004 | | 4th forum of the European Neuroscience | | Lisbon | Poster |
| 2005 | | Neurobiology and Modulation of Memory Formation | | Haifa, Israel | Invited speaker |
| 2005 | | The 2nd Combined Workshop on Fundamental Physiology, | | Berlin, Germany | Speaker, round table, chair person |
| 2005 | | 35th Annual Meeting of the Society for Neuroscience | | Washington D.C. | Poster |
| 2005 | | Binational Israel-Germany symposium on genes and behavior | | Eilat, Israel | Invited speaker |
| 2007 | | International Chick Meeting, | | Barcelona, Spain | Poster |
| 2007 | | Cellular, Synaptic and System plasticity | | Haifa, Israel | Invited chair person |
| 2007 | | The 3nd Combined Workshop on Fundamental Physiology | | Berlin, Germany | Speaker, round table, chair person |
|  | | Since previous promotion | |  |  |
| 2008 | | 9th International symposium on avian endocrinology | | Leuven, Belgium | Speaker |
| 2008 | | 38th Annual Meeting of the Society for Neuroscience | | Washington D.C. | Poster |
| 2008 | | The 7th annual MCCS meeting, | | Washington D.C. | Poster |
| 2009 | | Haifa forum of brain and behavior | | Haifa, Israel | Invited speaker |
| 2009 | | The 4nd Combined Workshop on Fundamental Physiology | | Bratislava, Slovakia | Speaker, chair person |
| 2010 | | Cognitive Society | | Amsterdam, Netherland | Speaker |
| 2011 | | International 6th Chick Meeting, | | Edinburg, Scotland | Speaker |
| 2012 | | Synthesis, degradation and localization of molecular and neuronal structures in learning and memory process, A joint meeting of EMCC and Haifa forum | | Haifa, Israel | Invited speaker |
| 2012 | | 4th International Meeting on Physiology and Pharmacology of Temperature Regulation PPRT | | Bazios, Brazil | Invited speaker |
| 2013 | | 19th Annual International "Stress and Behavior" Neuroscience and Biopsychiatry Conference | | St Petersburg, Russia | Special lecture |
| 2014 | | 4th International Meeting on Physiology and Pharmacology of Temperature Regulation PPRT | | Skukuza, South Africa | Speaker, chair person |
| 2014 | | The 5th Brain and Behavior meeting | | Haifa, Israel | Invited speaker | |
| 2015 | Epigenetics, Obesity and Metabolism | | Cambridge, UK | | Speaker |
| 2015 | | 7th Combined Workshop on "Fundamental Physiology and Perinatal Development in Poultry | | Berlin, Germany | Speaker | |
| 2016 | | The Obesity Summit | | London, UK | Invited speaker | |
| 2017 | | Twelfth Göttingen Meeting of the German Neuroscience Society | | Gottingen, Germany | Symposium organizer, chairperson, speaker | |
| 2017 | | 47th annual conference of the international society of psychoneuroendocrinology | | Zurich, Switzerland | Symposium organizer, chairperson, speaker | |
| 2018 | | 6th International Meeting on Physiology and Pharmacology of Temperature Regulation PPRT, Split Croatia | |  | speaker | |
| 2018 | | 6th Avian Models Meeting, Paris, France | |  | Speaker | |
| 2019 | | Combined workshop of WPSA “Fundamental Physiology and Perinatal Development in Poultry”, Tours, France | |  | Speaker | |
| 2019 | | IBANGS, Edinburg, Scotland | |  | Speaker | |

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| **Date** | **Title of the Meeting** | **Role** |
| 2002 | The 3rd Congress of the Federation of Israel Societies for Experimental Biology, ILANIT | Speaker in an invited symposium | |
| 2003 | Annual Retreat of the Zoltowski Center for Neuroscience | Invited lecture |
| 2005 | The Israel Society of Psychiatric Biology | Invited lecture |
| 2006 | Society for Physiology and Pharmacology | Invited lecture |
| 2009 | Society for Physiology and Pharmacology | Invited lecture |
| 2011 | Israel Poultry Science meeting | Invited lecture |
| 2013 | 23rd Meeting of the Israeli Society for neuroscience | Invited lecture |
| 2016 | Society for Physiology and Pharmacology | Invited lecture |
| 2016 | 26rd Meeting of the Israeli Society for neuroscience | Chairperson, Invited lecture |
| 2017 | Israel Poultry Science meeting | Lecturer |
| 2017 | 27rd Meeting of the Israeli Society for neuroscience | Meeting organizer, Chairperson, lecturer, 8 posters |
| 2018 | 28rd Meeting of the Israeli Society for neuroscience | Lecturer |
| 2019 | The Israel Society of Psychiatric Biology | Invited lecture |
| 2019 | Society for Physiology and Pharmacology | Invited Lecture |
| 2019 | The Israel Society of Psychiatric Biology | Invited lecture |
|  |  |  |
| 2019 | ILAF | Invited Lecture |
| 2020 | 29rd Meeting of the Israeli Society for neuroscience | Chairperson, Invited Lecture |